SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/1/2012 00:00
End: 09/30/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Analyzer Downtime

Incident Start	Incident End	Length Mins.	Reason
07/01/12 00:30	07/01/12 00:47	18	Preventative Maintenance Activities
09/03/12 21:06	09/03/12 21:17	12	Preventative Maintenance Activities
09/06/12 07:12	09/06/12 07:17	06	Preventative Maintenance Activities
09/18/12 13:12	09/18/12 14:17	66	Quality Assurance Activities
09/27/12 09:48	09/27/12 09:53	06	Preventative Maintenance Activities
09/29/12 08:54	09/29/12 09:47	54	Communication Error

TOTAL DURATION = 2.7 Hours

Company Name: SRP - Navajo, Unit 3
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: **2207.1 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	0.0
c. Process Problems.....	0.0	c. Quality Assurance.....	2.0
d. Exempt (Wet Stack - Scrubber Operation)	0.0	d. Other Known Monitor Downtime Cause.....	3.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	5.0
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.2%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: L Dee Shakespear

Title: Air Quality Environmental Engineer

Date: 10-30-12

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

POLLUTANT: 3 SO2 ppm SOURCE: Unit 3 EPISODE: SO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
08/13/12 12:00	08/13/12 12:59	1	DAHS Malfunction
08/20/12 11:00	08/20/12 11:59	1	Analyzer Replacement Activities
08/21/12 12:00	08/21/12 12:59	1	Quality Assurance Activities
09/12/12 13:00	09/12/12 14:59	2	Quality Assurance Activities

Total Duration = 5.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

POLLUTANT: 3 CO2 cor SOURCE: Unit 3 EPISODE: CO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
08/13/12 12:00	08/13/12 12:59	1	DAHS Malfunction
08/20/12 11:00	08/20/12 11:59	1	Analyzer Replacement Activities
08/21/12 12:00	08/21/12 12:59	1	Quality Assurance Activities
09/12/12 13:00	09/12/12 14:59	2	Quality Assurance Activities

Total Duration = 5.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

POLLUTANT: 3 NOx cor SOURCE: Unit 3 EPISODE: NOx Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
08/13/12 12:00	08/13/12 12:59	1	DAHS Malfunction
08/20/12 11:00	08/20/12 11:59	1	Analyzer Replacement Activities
08/21/12 12:00	08/21/12 12:59	1	Quality Assurance Activities
09/12/12 13:00	09/12/12 14:59	2	Quality Assurance Activities

Total Duration = 5.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 07/01/2012 00:00
End: 09/30/2012 23:59

POLLUTANT: 3 CO cor SOURCE: Unit 3 EPISODE: CO Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
08/13/12 12:00	08/13/12 12:59	1	DAHS Malfunction
08/20/12 11:00	08/20/12 11:59	1	Analyzer Replacement Activities
08/21/12 12:00	08/21/12 12:59	1	Quality Assurance Activities
09/12/12 13:00	09/12/12 14:59	2	Quality Assurance Activities

Total Duration = 5.0 hrs

NAVAJO GENERATING STATION

EXCESS EMISSIONS REPORT

FOURTH QUARTER, 2012

NAVAJO GENERATING STATION
P.O. Box 850
Page, AZ 86040
(928) 645-6217
Fax (928) 645-7298

ROBERT K. TALBOT
Manager

January 23, 2013

Dr. Deborah Jordon, Director
Air Division
Environmental Protection Agency
Region IX (AIR-1)
75 Hawthorne Street
San Francisco, California 94105

Mr. Steven Etsitty, Executive Director
Navajo Environmental Protection Administration
P.O. Box 339
Window Rock, Arizona 86515

RE: Navajo Generating Station FIP – 40 CFR §49.24, Title V Permit to Operate No. NN-ROP-05-06 and PSD Permit Number AZ 08-01 Quarterly Emission Report

Dear Dr. Jordon and Mr. Etsitty:

Enclosed is the Fourth Quarter 2012 emissions report for Navajo Generating Station. The report contains the following information:

- Daily electrical energy generated in megawatt-hours (permit condition II.B.5.b).
- Sulfur dioxide and carbon dioxide information according to the procedures set forth at 40 CFR 60.7 and permit condition II.B.5.a;
- Identification of periods when opacity values exceeded 20 %, excluding condensed uncombined water droplets over any 6-minute period, and 40% averaged over 6 minutes, during absorber upset transition periods.
- Identification of periods when sulfur dioxide emissions exceeded 1.0 lb/mmBTU as a plantwide 3-hour average, and a CEMS data assessment according to the procedures set forth at 40 CFR §49.24(d)(1) of NGS FIP.
- Nitrogen Oxide and Carbon Monoxide information according to PSD Permit Number AZ 08-01A, condition IX.C.5.

January 29, 2015

With respect to the opacity data presented in the report, please note that 6-minute opacity readings are not individually listed during scrubber operations because the saturated stack conditions impedes the accuracy of the readings. The report identifies the block time periods for each unit that the scrubbers were operational and the stacks were saturated, in lieu of reporting the individual 6-minute wet stack readings.

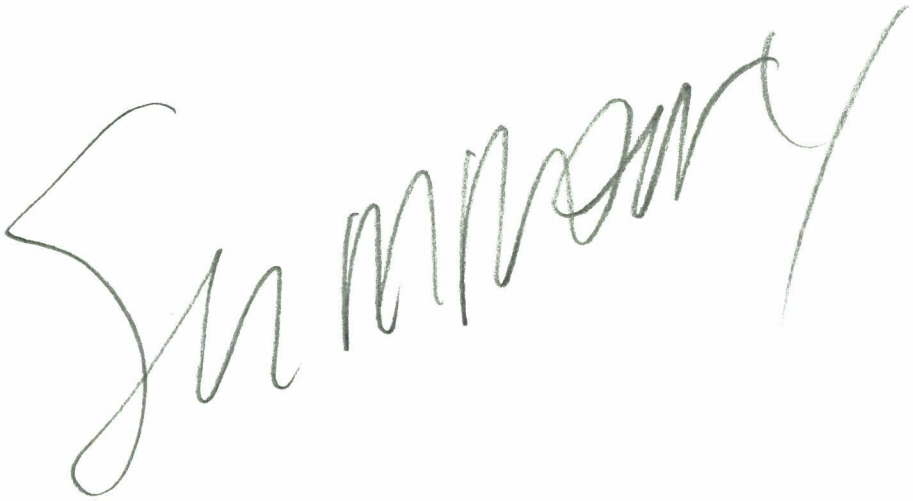
Please contact Paul Ostapuk at (928) 645-6577 if you have any questions.

Sincerely,

Robert K. Talbot
Plant Manager / Alternate Designated Representative

Enclosures

cc: Barbara Sprungl, SRP – Manager Air Quality & Lab Services
Environmental File



CEM EXCESS EMISSION REPORT

Salt River Project
Navajo Generating Station
Page, Arizona

UNIT # 1, 2, 3 YEAR 2012 QUARTER FOURTH

This report is in accordance with reporting requirements set forth in the NGS FIP – 40 CFR §49.24, Title V Permit to Operate, Permit No. NN-ROP 05-06, Section II.B.5 and PSD Permit Number AZ 08-01A, Condition IX.G.5.

Emission standards in this report are in accordance with the NGS FIP – 40 CFR §49.24 sections (d)(1), (d)(3), (d)(4), (e)(8), Title V Permit to Operate, NN-ROP-05-06 Section II.B.2 and PSD Permit Number AZ 08-01A Conditions IX.B.1 and IX.B.2

EXCESS EMISSIONS FOR QUARTER: No excess were emissions observed
(see attached summary)

CEM SUMMARY SHEET
THIRD QUARTER OF 2012

	UNIT 1	UNIT 2	UNIT 3
# Hours of I.D. Fan Operation	2151.0 hrs	2208.0 hrs	2076.9 hrs
# Hours Boiler Operation	2141.8 hrs	2208.0 hrs	2061.4 hrs
Opacity Monitor Availability	99.94 %	99.94%	99.95%
SO2 #/mmBTU Availability	99.86 %	99.82%	99.61%
NOx #/mmBTU Availability	99.86 %	99.82%	99.61%
CO #/mmBTU Availability	99.86 %	99.82%	99.61 %
Opacity Emission >20% (6-Min)	0.0 hrs	0.0 hrs	0.0 hrs
% Operating Time	0.00 %	0.00%	0.00%
Opacity Emission >40% (6-Min)	0.0 hrs	0.0 hrs	0.0 hrs
% Operating Time	0.00 %	0.00%	0.00%
SO2 #/mmBTU > 0.1 (365BOD)	0.0 days	0.0 days	0.0 days
% Operating Time	0.00 %	0.00%	0.00%
SO2 #/mmBTU >1.0 (3Hr)	0.0 days	0.0 days	0.0 days
% Operating Time	0.0 %	0.0 %	0.0 %
NOx #/mmBTU >0.24 (30D)	0.0 days	0.0 days	0.0 days
% Operating Time	0.0 %	0.0 %	0.0 %
CO #/mmBTU >0.23 (30D)	0.0 days	0.0 days	0.0 days
% Operating Time	0.0 %	0.0 %	0.0 %
CO #/mmBTU >0.15 (12M)	0.0 days	0.0 days	0.0 days
% Operating Time	0.0 %	0.0 %	0.0 %

NAVAJO GENERATING STATION
CEMS MONITOR LISTING

Teledyne Monitor Labs Inc.
Opacity Monitor
Model Lighthawk 560

Teledyne Monitor Labs Inc.
Flow Monitor
Ultra Flow 100

Thermo Environmental Sulfur Dioxide Monitor
Model 43i

Thermo Environmental CO_2 Monitor
Model 410i

Thermo Environmental NO_x Monitor
Model 42i

Thermo Environmental CO Monitor
Model 48i

Unit 1

- Daily Electric Energy Report

- Opacity Excess Emission and Monitoring System Performance
- Excess Wet Opacity Report
- Excess Dry Opacity Report
- Opacity Downtime Report

- SO2 Excess Emission and Monitoring System Performance
- SO2 Excess Emission Report – 1.0 lb/mmBTU
- SO2 Excess Emission Report – 0.1 lb/mmBTU
- SO2 Downtime Report

- CO2 Downtime Report

- NOx Excess Emission Report
- NOx Downtime Report

- CO Excess Emission Report- 30-Day
- CO Excess Emission Report- 12-Month
- CO Downtime Report

40 CFR 52.149.d.5.iii Daily Electric Energy Report

Gigawatt Hours

Source: Unit 1 Channel: 1 GW365

Report for 10/01/2012 thru 12/31/2012

Date	Gigawatts	Date	Gigawatts	Date	Gigawatts
10/01/12	11.38	11/01/12	18.53	12/01/12	14.04
10/02/12	10.99	11/02/12	18.53	12/02/12	13.94
10/03/12	11.14	11/03/12	15.96	12/03/12	13.70
10/04/12	11.35	11/04/12	12.91	12/04/12	14.42
10/05/12	11.06	11/05/12	15.12	12/05/12	14.76
10/06/12	11.21	11/06/12	17.09	12/06/12	15.55
10/07/12	11.33	11/07/12	17.59	12/07/12	15.50
10/08/12	11.18	11/08/12	17.14	12/08/12	13.34
10/09/12	13.68	11/09/12	15.84	12/09/12	15.62
10/10/12	17.26	11/10/12	15.31	12/10/12	17.21
10/11/12	13.92	11/11/12	15.17	12/11/12	17.76
10/12/12	------	11/12/12	17.50	12/12/12	17.42
10/13/12	14.11	11/13/12	16.82	12/13/12	17.62
10/14/12	12.96	11/14/12	16.73	12/14/12	16.85
10/15/12	13.61	11/15/12	16.30	12/15/12	19.32
10/16/12	13.06	11/16/12	15.22	12/16/12	18.89
10/17/12	13.63	11/17/12	17.40	12/17/12	16.51
10/18/12	14.30	11/18/12	18.26	12/18/12	15.24
10/19/12	------	11/19/12	17.71	12/19/12	17.11
10/20/12	15.58	11/20/12	17.50	12/20/12	------
10/21/12	15.89	11/21/12	16.30	12/21/12	------
10/22/12	15.60	11/22/12	16.27	12/22/12	------
10/23/12	14.18	11/23/12	17.45	12/23/12	------
10/24/12	13.25	11/24/12	16.61	12/24/12	------
10/25/12	12.89	11/25/12	14.90	12/25/12	17.64
10/26/12	15.12	11/26/12	14.95	12/26/12	16.42
10/27/12	15.12	11/27/12	14.64	12/27/12	18.07
10/28/12	14.86	11/28/12	14.38	12/28/12	18.31
10/29/12	15.86	11/29/12	13.58	12/29/12	17.93
10/30/12	18.70	11/30/12	12.91	12/30/12	17.81
10/31/12	18.50			12/31/12	17.59

------ Invalid Boiler Operating Day

Pollutant: Opacity / "1 Opacity"
Emission Limit: 40

Company Name: SRP - Navajo, Unit 1
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

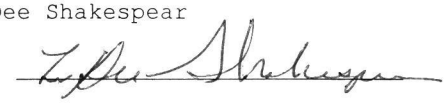
Total source operating time in reporting period: **2151.0 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	0.3
c. Process Problems.....	0.0	c. Quality Assurance.....	0.9
d. Exempt (Wet Stack - Scrubber Operation)	2151.0	d. Other Known Monitor Downtime Cause.....	0.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	1.2
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.06%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason	Action
10/01/12 00:00 -	12/21/12 08:47	1952.8	Wet Scrubber Operation	Exempt
12/23/12 17:45 -	12/31/12 23:59	186.2	Wet Scrubber Operation	Exempt

Total Duration: 2151.0 Hours

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason

Total Duration 0.0 Hours

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Analyzer Downtime

Incident Start	Incident End	Length Mins.	Reason
10/02/12 09:06 -	10/02/12 09:11	06	Preventative Maintenance Activities
11/29/12 14:06 -	11/29/12 14:17	12	Preventative Maintenance Activities
12/27/12 08:54 -	12/27/12 09:47	54	Quality Assurance Activities

TOTAL DURATION = 1.2 Hours

Pollutant: SO2 lb/mmBTU (365 Boiler Operating Day rolling average)
Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 1
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

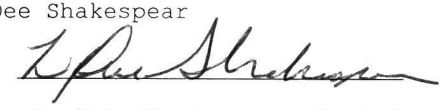
Total source operating time in reporting period: **2141.8 hours**

Emission Data Summary (note 1)		CEMS Downtime Summary (note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	1.0
c. Process Problems.....	0.0	c. Quality Assurance.....	2.0
d. Exempt (Wet Stack - Scrubber Operation)	0.0	d. Other Known Monitor Downtime Cause.....	0.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	3.0
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.1%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 SO2 ppm SOURCE: Unit 1 EPISODE: SO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/28/12 08:00 -	11/28/12 08:59	1	Quality Assurance Activities
11/28/12 12:00 -	11/28/12 12:59	1	Quality Assurance Activities
12/21/12 00:00 -	12/21/12 00:59	1	DAHS Communications Failure

Total Duration = 3.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 CO2 cor SOURCE: Unit 1 EPISODE: CO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/28/12 08:00 -	11/28/12 08:59	1	Quality Assurance Activities
11/28/12 12:00 -	11/28/12 12:59	1	Quality Assurance Activities
12/21/12 00:00 -	12/21/12 00:59	1	DAHS Communications Failure

Total Duration = 3.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 NOx cor SOURCE: Unit 1 EPISODE: NOx Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/28/12 08:00 -	11/28/12 08:59	1	Quality Assurance Activities
11/28/12 12:00 -	11/28/12 12:59	1	Quality Assurance Activities
12/21/12 00:00 -	12/21/12 00:59	1	DAHS Communications Failure

Total Duration = 3.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 1
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/01/2012 23:59

POLLUTANT: 1 CO cor SOURCE: Unit 1 EPISODE: CO Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/28/12 08:00 -	11/28/12 08:59	1	Quality Assurance Activities
11/28/12 12:00 -	11/28/12 12:59	1	Quality Assurance Activities
12/21/12 00:00 -	12/21/12 00:59	1	DAHS Communications Failure

Total Duration = 3.0 hrs

Unit 2

- Daily Electric Energy Report

- Opacity Excess Emission and Monitoring System Performance
- Excess Wet Opacity Report
- Excess Dry Opacity Report
- Opacity Downtime Report

- SO2 Excess Emission and Monitoring System Performance
- SO2 Excess Emission Report – 1.0 lb/mmBTU
- SO2 Excess Emission Report – 0.1 lb/mmBTU
- SO2 Downtime Report

- CO2 Downtime Report

- NOx Excess Emission Report
- NOx Downtime Report

- CO Excess Emission Report- 30-Day
- CO Excess Emission Report- 12-Month
- CO Downtime Report

40 CFR 52.149(d)(3)(iii) Daily Electric Energy Report

Gigawatt Hours

Source: Unit 2 Channel: 2 GW365

Report for 10/01/2012 thru 12/30/2012

Date	Gigawatts	Date	Gigawatts	Date	Gigawatts
10/01/12	13.37	11/01/12	18.14	12/01/12	15.05
10/02/12	15.46	11/02/12	18.84	12/02/12	15.48
10/03/12	15.70	11/03/12	17.47	12/03/12	16.42
10/04/12	14.47	11/04/12	13.61	12/04/12	16.73
10/05/12	14.30	11/05/12	14.47	12/05/12	16.06
10/06/12	16.68	11/06/12	17.76	12/06/12	16.49
10/07/12	15.79	11/07/12	18.36	12/07/12	15.36
10/08/12	16.30	11/08/12	17.30	12/08/12	11.04
10/09/12	15.48	11/09/12	17.78	12/09/12	15.70
10/10/12	18.14	11/10/12	18.58	12/10/12	16.85
10/11/12	19.30	11/11/12	17.54	12/11/12	17.28
10/12/12	18.79	11/12/12	17.71	12/12/12	17.06
10/13/12	14.14	11/13/12	18.00	12/13/12	17.74
10/14/12	15.98	11/14/12	17.93	12/14/12	18.29
10/15/12	16.73	11/15/12	17.54	12/15/12	14.95
10/16/12	17.23	11/16/12	17.40	12/16/12	14.86
10/17/12	15.07	11/17/12	16.42	12/17/12	17.74
10/18/12	17.26	11/18/12	17.14	12/18/12	16.56
10/19/12	15.19	11/19/12	17.18	12/19/12	16.82
10/20/12	17.52	11/20/12	17.66	12/20/12	18.43
10/21/12	17.88	11/21/12	16.54	12/21/12	17.59
10/22/12	18.00	11/22/12	16.13	12/22/12	17.38
10/23/12	15.24	11/23/12	17.45	12/23/12	16.51
10/24/12	18.12	11/24/12	17.30	12/24/12	16.49
10/25/12	18.00	11/25/12	14.95	12/25/12	17.11
10/26/12	16.54	11/26/12	17.50	12/26/12	17.88
10/27/12	14.71	11/27/12	18.26	12/27/12	17.52
10/28/12	14.23	11/28/12	16.06	12/28/12	17.95
10/29/12	15.96	11/29/12	15.65	12/29/12	17.11
10/30/12	18.65	11/30/12	17.02	12/30/12	17.28
10/31/12	18.67			12/31/12	17.52

------ Invalid Boiler Operating Day

Pollutant: Opacity / "2 Opacity"
Emission Limit: 40

Company Name: SRP - Navajo, Unit 2
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

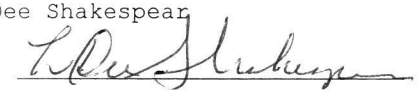
Total source operating time in reporting period: **2208.0 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	0.5
c. Process Problems.....	0.0	c. Quality Assurance.....	0.9
d. Exempt (Wet Stack - Scrubber Operation)	2208.0	d. Other Known Monitor Downtime Cause.....	0.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	1.4
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.06%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 Opacity SOURCE: Unit 2 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason	Action
10/01/12 00:00 -	12/31/12 23:59	2208.0	Wet Scrubber Operation	Exempt

Total Duration: 2208.0 Hours

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 1 Opacity SOURCE: Unit 2 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason

Total Duration 0.0 Hours

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 Opacity SOURCE: Unit 2 EPISODE: Opacity Analyzer Downtime

Incident Start	Incident End	Length Mins.	Reason
10/31/12 13:42 -	10/31/12 13:53	12	Preventative Maintenance Activities
11/29/12 13:18 -	11/29/12 13:29	12	Preventative Maintenance Activities
12/20/12 14:42 -	12/20/12 14:47	06	Preventative Maintenance Activities
12/27/12 10:30 -	12/27/12 11:23	54	Quality Assurance Activities

TOTAL DURATION = 1.4 Hours

Pollutant: SO2 lb/mmBTU (365 Boiler Operating Day rolling average)
Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 2
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

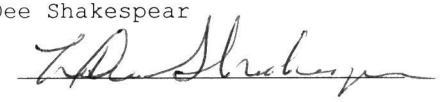
Total source operating time in reporting period: **2208.0 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	0.0
c. Process Problems.....	0.0	c. Quality Assurance.....	4.0
d. Exempt (Wet Stack - Scrubber Operation)	0.0	d. Other Known Monitor Downtime Cause.....	0.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	4.0
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.2%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 SO2 ppm SOURCE: Unit 2 EPISODE: SO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
10/15/12 16:00 -	10/15/12 16:59	1	Quality Assurance Activities
10/25/12 08:00 -	10/08/12 08:59	1	Quality Assurance Activities
11/20/12 08:00 -	11/20/12 08:59	1	Quality Assurance Activities
12/03/12 12:00 -	12/03/12 12:59	1	Quality Assurance Activities

Total Duration = 4.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 CO2 cor SOURCE: Unit 2 EPISODE: CO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
10/15/12 16:00	10/15/12 16:59	1	Quality Assurance Activities
10/25/12 08:00	10/08/12 08:59	1	Quality Assurance Activities
11/20/12 08:00	11/20/12 08:59	1	Quality Assurance Activities
12/03/12 12:00	12/03/12 12:59	1	Quality Assurance Activities

Total Duration = 4.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 NOx cor SOURCE: Unit 2 EPISODE: NOx Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
10/15/12 16:00	10/15/12 16:59	1	Quality Assurance Activities
10/25/12 08:00	10/08/12 08:59	1	Quality Assurance Activities
11/20/12 08:00	11/20/12 08:59	1	Quality Assurance Activities
12/03/12 12:00	12/03/12 12:59	1	Quality Assurance Activities

Total Duration = 4.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 2
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 2 CO cor SOURCE: Unit 2 EPISODE: CO Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
10/15/12 16:00	10/15/12 16:59	1	Quality Assurance Activities
10/25/12 08:00	10/08/12 08:59	1	Quality Assurance Activities
11/20/12 08:00	11/20/12 08:59	1	Quality Assurance Activities
12/03/12 12:00	12/03/12 12:59	1	Quality Assurance Activities

Total Duration = 4.0 hrs

Unit 3

- Daily Electric Energy Report

- Opacity Excess Emission and Monitoring System Performance
- Excess Wet Opacity Report
- Excess Dry Opacity Report
- Opacity Downtime Report

- SO2 Excess Emission and Monitoring System Performance
- SO2 Excess Emission Report – 1.0 lb/mmBTU
- SO2 Excess Emission Report – 0.1 lb/mmBTU
- SO2 Downtime Report

- CO2 Downtime Report

- NOx Excess Emission Report
- NOx Downtime Report

- CO Excess Emission Report- 30-Day
- CO Excess Emission Report- 12-Month
- CO Downtime Report

40 CFR 52.145.d.3.iii Daily Electric Energy Report
Gigawatt Hours

Source: Unit 3 Channel: 3 GW365

Report for 10/01/2012 thru 12/31/2012

Date	Gigawatts	Date	Gigawatts	Date	Gigawatts
10/01/12	19.37	11/01/12	------	12/01/12	19.32
10/02/12	19.37	11/02/12	------	12/02/12	19.39
10/03/12	19.37	11/03/12	19.30	12/03/12	19.32
10/04/12	19.34	11/04/12	19.37	12/04/12	19.42
10/05/12	18.46	11/05/12	18.07	12/05/12	19.44
10/06/12	17.88	11/06/12	19.42	12/06/12	19.39
10/07/12	19.39	11/07/12	19.44	12/07/12	18.00
10/08/12	19.39	11/08/12	19.42	12/08/12	17.90
10/09/12	19.39	11/09/12	19.37	12/09/12	19.42
10/10/12	18.58	11/10/12	19.20	12/10/12	19.42
10/11/12	17.86	11/11/12	19.25	12/11/12	19.44
10/12/12	19.42	11/12/12	19.39	12/12/12	19.44
10/13/12	18.65	11/13/12	19.42	12/13/12	19.46
10/14/12	19.01	11/14/12	19.39	12/14/12	19.42
10/15/12	19.37	11/15/12	19.42	12/15/12	19.39
10/16/12	------	11/16/12	19.30	12/16/12	19.27
10/17/12	17.88	11/17/12	19.03	12/17/12	19.39
10/18/12	19.44	11/18/12	19.39	12/18/12	19.42
10/19/12	------	11/19/12	19.39	12/19/12	19.42
10/20/12	------	11/20/12	19.32	12/20/12	19.42
10/21/12	------	11/21/12	19.39	12/21/12	19.42
10/22/12	------	11/22/12	19.37	12/22/12	19.32
10/23/12	------	11/23/12	19.37	12/23/12	19.42
10/24/12	14.62	11/24/12	19.15	12/24/12	19.20
10/25/12	19.34	11/25/12	19.10	12/25/12	19.44
10/26/12	19.44	11/26/12	19.42	12/26/12	19.44
10/27/12	19.32	11/27/12	19.42	12/27/12	19.44
10/28/12	19.44	11/28/12	17.95	12/28/12	19.44
10/29/12	------	11/29/12	19.20	12/29/12	19.44
10/30/12	------	11/30/12	19.32	12/30/12	19.34
10/31/12	------			12/31/12	19.42

------ Invalid Boiler Operating Day

Pollutant: Opacity / "3 Opacity"
Emission Limit: 40

Company Name: SRP - Navajo, Unit 3
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

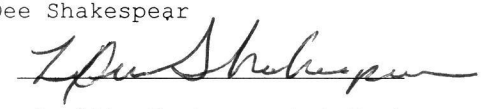
Total source operating time in reporting period: **2076.9 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.1	b. Non-Monitoring Equipment Malfunction...	0.0
c. Process Problems.....	0.0	c. Quality Assurance.....	0.9
d. Exempt (Wet Stack - Scrubber Operation)	2076.9	d. Other Known Monitor Downtime Cause.....	0.2
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	1.1
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.05%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason	Action
10/01/12 00:00 -	10/20/12 02:35	458.6	Wet Scrubber Operation	Exempt
10/22/12 23:11 -	10/30/12 11:02	179.9	Wet Scrubber Operation	Exempt
11/02/12 01:31 -	12/31/12 23:59	1438.5	Wet Scrubber Operation	Exempt

Total Duration: 2076.9 Hours

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Over Limit

Incident Start	Incident End	Length Hours	Reason

Total Duration 0.0 Hours

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Analyzer Downtime

Incident Start	Incident End	Length Mins.	Reason
11/29/12 09:30	11/29/12 09:41	12	Preventative Maintenance Activities
12/27/12 15:00	12/27/12 15:53	54	Quality Assurance Activities

TOTAL DURATION = 1.10 Hours

Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 3
Address: Navajo Generating Station Page, AZ 86040
Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: **2061.5 hours**

Emission Data Summary(note 1)		CEMS Downtime Summary(note 1)	
1. Duration of excess emissions in period due to:		1. Duration of CEMS downtime in period due to:	
a. Start Up/Shut Down.....	0.0	a. Monitoring Equipment Malfunction.....	0.0
b. Control Equipment Failure.....	0.0	b. Non-Monitoring Equipment Malfunction...	0.0
c. Process Problems.....	0.0	c. Quality Assurance.....	1.0
d. Exempt (Wet Stack - Scrubber Operation)	0.0	d. Other Known Monitor Downtime Cause.....	7.0
e. UnKnown Excess Emissions Cause.....	0.0	e. UnKnown Monitor Downtime Cause.....	0.0
2. Total duration of excess emission.....	0.0	2. Total duration of CEMS downtime.....	8.0
3. Excess emission duration (%).....	0.00%	3. CEMS downtime (%).....	0.4%

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 SO2 ppm SOURCE: Unit 3 EPISODE: SO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/13/12 08:00 -	11/13/12 09:59	2	Preventative Maintenance Activities
11/21/12 12:00 -	11/21/12 12:59	1	Quality Assurance Activities
12/19/12 14:00 -	12/19/12 18:59	5	Preventative Maintenance Activities

Total Duration = 8.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 CO2 cor SOURCE: Unit 3 EPISODE: CO2 Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/13/12 08:00 -	11/13/12 09:59	2	Preventative Maintenance Activities
11/21/12 12:00 -	11/21/12 12:59	1	Quality Assurance Activities
12/19/12 14:00 -	12/19/12 18:59	5	Preventative Maintenance Activities

Total Duration = 8.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 NOx cor SOURCE: Unit 3 EPISODE: NOx Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/13/12 08:00 -	11/13/12 09:59	2	Preventative Maintenance Activities
11/21/12 12:00 -	11/21/12 12:59	1	Quality Assurance Activities
12/19/12 14:00 -	12/19/12 18:59	5	Preventative Maintenance Activities

Total Duration = 8.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

Date and Time Period	Magnitude	Reason

No Excess Emission

Total Duration = 0.0 hrs

SRP - Navajo, Unit 3
Navajo Generating Station
Page, AZ 86040

Start: 10/01/2012 00:00
End: 12/31/2012 23:59

POLLUTANT: 3 CO cor SOURCE: Unit 3 EPISODE: CO Analyzer Downtime

Incident Start	Incident End	Length Hrs.	Reason
11/13/12 08:00 -	11/13/12 09:59	2	Preventative Maintenance Activities
11/21/12 12:00 -	11/21/12 12:59	1	Quality Assurance Activities
12/19/12 14:00 -	12/19/12 18:59	5	Preventative Maintenance Activities

Total Duration = 8.0 hrs

NAVAJO GENERATING STATION
P.O. Box 850
Page, AZ 86040
(928) 645-6217
Fax (928) 645-7298

ROBERT K. TALBOT
Manager

July 30, 2012

Mr. Stephen B. Etsitty, Executive Director
Navajo Nation Air Quality/Operating Permit Program
Rt. 112 North, Bldg 2427
P.O. Box 529
Fort Defiance, AZ 86504

Re: Navajo Generating Station
Semiannual Monitoring Report
Permit No. NN-ROP- 05-06

Dear Mr. Etsitty:

As required by 40 CFR § 71.6(a)(3)(iii)(A), and Condition III.C.1 of the above referenced permit, please find enclosed the Semiannual Monitoring Report for Navajo Generating Station. Also enclosed is the required Certification of Truth, Accuracy, and Completeness.

Please feel free to contact me at (928) 645-6217 if you have any questions.

Sincerely,

Robert K. Talbot
Manager

Certified Mail

cc: Roger Kohn, USEPA
Barbara Sprungl, SRP

Attachment 1. Semiannual Monitoring Report

Federal Operating Permit Program (40 CFR Part 71)

6-MONTH MONITORING REPORT (SIXMON)

Section A (General Information)

Permit No. NN-ROP-05-06

Reporting Period: Beg. 01 / 01 / 2012 End. 06 / 30 / 2012

Source / Company Name SRP Navajo Generating Station

Mailing Address: Street or P.O. Box P.O. Box 850

City Page State AZ ZIP 86040 -

Contact person Robert K. Talbot Title Plant Manager

Telephone (928) 645 - 6217 Ext.

Continued on next page

Monitoring Report)

l required monitoring, data, or analyses required by the permit for the reporting period. Describe and cross-reference the permit term and list the emission units (Unit IDs) where the monitoring ıdicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark the ınd attach the report to this form.

Monitoring, Data, or Analysis Required by the Permit	Emission Units (Unit IDs)	Separate Monitoring Report?	Date of Su Submittal o
ission monitoring for NO_x (Condition 2 and Attachment A, Acid Rain Permit NN-07-01). Each unit is subject to an annual average 40 lb/MMBtu pursuant to 40 CFR 76.8(d)(2) (NO_x early election compliance plan). **ıstrating compliance with this requirement were submitted to EPA on the dates indicated.**	U1, U2, U3	X Yes ____ No	Acid Rain 04 / 07 /
ission monitoring for SO_2 (Condition 1 and Attachment A, Acid Rain Permit NN-07-01). Each unit is subject to an annual SO_2 se II) allowance allocation. **ıstrating compliance with this requirement were submitted to EPA on the dates indicated.**	U1, U2, U3	X Yes ____ No	Acid Rain 04 / 07 /
ission monitoring for SO_2 (Conditions II.B.3, II.B.4, and II.B.5). The facility is subject to a plantwide rolling 365 boiler operating ission limit of 0.10 lb/MMBtu pursuant to Condition II.B.2 and 40 CFR 52.145(d)(2) (Visibility). **ıstrating compliance with this requirement were submitted to EPA on the dates indicated.**	U1, U2, U3	X Yes ____ No	Excess Emi EPA 04 / 07 /
emission survey, with follow up Method 9 within 24 hours if visible emissions are observed (Condition II.C.5, II.D.1, II.D.2, II.E2, ıck emissions from transfer point ≤ 7% opacity, and fugitive emissions ≤ 10% opacity, pursuant to NSPS Subpart OOO. **ınstrating compliance with this condition are included in Attachment 2 of this report.**	DC9, DC10, DC11	____ Yes X No	
r permit term and at other times specified by the EPA, conduct PM performance tests for exhaust from DC9, DC10, and DC11 hod 5 or 17. Conduct a performance test within 120 days if visible emissions are observed 3 times from any one baghouse during 2-month period (Condition II.E.1). **ɔerformance test was conducted as required during the current permit term (i.e., prior to 7/3/2013). A report compliance with this requirement was submitted to EPA on 10/20/2009. Performance testing was completed in November in compliance with Condition II.E.1. A report demonstrating compliance with this requirement was submitted to EPA on**	DC9, DC10, DC11	X Yes ____ No	01 / Attachmen
of installation of the low-NO_x burners, install, and thereafter operate, maintain, certify, and quality assure CEMS for CO ɔ.1 of PSD Permit AZ-08-01A). Submit CO CEMS performance test protocol 30 days prior to test date, and results of performance ays of completion (Conditions IX.E.5 and IX.E.6 of PSD Permit AZ-08-01A). **ests were conducted and the subsequent test results were submitted on the low-NO_x burners on Unit 3 in 2009, Unit 2 in : 1 in 2011.**	U3 U2 U1	X Yes ____ No	06 / 07 / 06 / Attachmen

Monitoring Report)

ll required monitoring, data, or analyses required by the permit for the reporting period. Describe and cross-reference the permit term and list the emission units (Unit IDs) where the monitorin ndicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark th and attach the report to this form.

Monitoring, Data, or Analysis Required by the Permit	Emission Units (Unit IDs)	Separate Monitoring Report?	Date of S Submittal c
al startup of low-NO_x burners, $NO_x \leq 0.24$ lb/MMBtu (Condition IX.B.2 of PSD Permit AZ-08-01A), $CO \leq 0.23$ lb/MMBtu on a average basis (Condition IX.B.1.a of PSD Permit AZ-08-01A) and $CO \leq 0.15$ lb/MMBtu on a 12-month rolling average basis 3.1.a of PSD Permit AZ-08-01A). Submit excess emission reports semiannually 30 days after the end of each calendar quarter 3.5 of PSD Permit AZ-08-01A). **nstrating compliance with this requirement were submitted to EPA on the date indicated.**	U1, U2, U3	X Yes ____ No	Excess En EPA 04 07
y day initial performance test for NO_x and CO with the CEMS starting the day after successful completion of the performance CO CEMS. Submit report within 30 days of completion (Condition IX.F of PSD Permit AZ-08-01A). **test results were submitted for Units 1, 2 and 3 in 2011, 2010 and 2009, respectively**	U3 U2 U1	X Yes ____ No	06 07 06 Attachme
onth Demonstration Period for each LNB/SOFA system, the Permittee shall submit to EPA a written report together S data showing actual CO emissions which evaluates whether a lower CO emissions limit can be consistently and ieved while maintaining NOx emission levels at or below 0.24 lb/MMBtu on a 30-day rolling average (Condition Permit AZ-08-01A). **ng this requirement were submitted to EPA for Unit 2 and 3 in 2011 and 2010 respectively. A 12-Month Demonstration bmitted on 7/10/2012 for Unit 1.**	U3 U2 U1	X Yes ____ No	11/ 01/ 07/ Attachmer
MBtu from Units 1, 2, and 3, averaged over any 3-hour period, on a plantwide basis (NGS FIP - 40 CFR §49.24(d)(1)). Maintain MS for SO_2 on Units 1, 2 and 3 in accordance with 40 CFR 60.8 and 60.13(e), (f). and (h), and Appendix B of Part 60. Comply assurance procedures for CEMS found in 40 CFR Part 75 (NGS FIP - 40 CFR §49.24(e)(1)). **nstrating compliance with this requirement were submitted to EPA on the dates indicated.**	U1, U2, U3	X Yes ____ No	Excess En EPA 04 07
/MMBtu, on a plantwide basis, as determined by annual mass emissions tests conducted on Units 1, 2, and 3, operating at rated coal that is representative of that normally used (NGS FIP – 40 CFR §49.24(d)(2) and §49.24(e)(2)). **onstrating compliance with this requirement was submitted to EPA on the date indicated.**	U1, U2, U3	X Yes ____ No	01/ Attachmer
he stacks of Units 1, 2, or 3 ≤ 20%, excluding condensed uncombined water droplets, averaged over any six (6) minute period. he stacks of Units 1, 2 or 3 ≤ 40% opacity, averaged over six (6) minutes, during absorber upset transition periods. Maintain and on Units 1, 2, and 3 in accordance with CFR 60.8 and 60.13(e), (f), and (h), and Appendix B of Part 60, and comply with the ce procedures in 40 CFR Part 75 (NGS FIP – 40CFR §49.24(d)(4) and §49.24(e)(1)). **nstrating compliance with this requirement were submitted to the EPA on the dates indicated.**	U1, U2, U3	X Yes ____ No	Excess En EPA 04 07

Monitoring Report)

ll required monitoring, data, or analyses required by the permit for the reporting period. Describe and cross-reference the permit term and list the emission units (Unit IDs) where the monitorin ndicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark th and attach the report to this form.

Monitoring, Data, or Analysis Required by the Permit	Emission Units (Unit IDs)	Separate Monitoring Report?	Date of S Submittal c
aintain the existing dust suppression methods for controlling dust from the coal handling and storage facilities. Submit a he dust suppression methods for controlling dust from the coal handling and storage facilities, fly ash handling and storage, and activities. Opacity < 20% from any crusher, grinding mill, screening operation, belt conveyer, truck loading and unloading ilcar unloading station, as determined using 40 CFR Part 60, Appendix A-4, Method 9 (NGS FIP – 40CFR §49.24(d)(3)). **nstrating compliance with these requirements are maintained on site.**	Fugitive Dust	X Yes ____ No	6 / Attachmen
endar year in which an auxiliary boiler is operated for 720 hours or more, and at other times as requested by the Administrator, missions tests for SO_2, NO_x and /or PM on the auxiliary steam boilers, operating at rated capacity, using oil that is representative of sed. (NGS FIP – 40CFR §49.24(e)(3)). **boiler was not operated for more than 720 hours this year, and no testing has been requested. Therefore, no testing was ng this reporting period.**	Aux Boiler	____ Yes X No	— Attachmen
perated ambient monitors at Glen Canyon Dam for $PM_{2.5}$, PM_{10}, NO_x, SO_2 and ozone. Report data annually to the Regional (NGS FIP – 40CFR §49.24(e)(6)). **istrating compliance with this requirement was submitted to the EPA on the date indicated.**	Ambient Monitors	X Yes ____ No	02 Attachmen
nd record parameters according to the requirements in the CAM plan. Excursions or exceedances shall be reported and a Quality Plan (QIP) shall be implemented if excursions occur (Condition II.C of Permit Reopening) **nstrating compliance with these requirements are maintained on site.**	U1, U2, U3	____ Yes X No	— Attachmen

Copy this page as many times as necessary to include all such deviations. Describe and cross reference the permit terms and report the start and end dates and times of the deviations (mo/day/yr, hr:min). Use the 24-hour clock. Also specify the date when the written deviation report was submitted to the permitting authority (If written report required, but not submitted, leave the date field blank). Note that failure to submit a deviation report, or late submittal, is a deviation that must be reported in the Section D.

Permit Term for Which There was a Deviation: No deviations to report

Emission Units (unit IDs):

Deviation Start _____/_____/__________ ____:____ End:_____/_____/__________ ____:____

Date Written Report Submitted ____/____/________

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start _____/_____/__________ ____:____ End:_____/_____/__________ ____:____

Date Written Report Submitted ____/____/________

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start _____/_____/__________ ____:____ End:_____/_____/__________ ____:____

Date Written Report Submitted ____/____/________

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start _____/_____/__________ ____:____ End:_____/_____/__________ ____:____

Date Written Report Submitted ____/____/________

cross-reference the permit terms and emission units that apply to the deviation. Copy this page as many times as necessary to include all such deviations. Report the beginning and ending times (mo/day/yr, hr:min) for each deviation. Use the 24-hour clock. Briefly explain (if known) the probable cause of each deviation. If any corrective actions or preventative measures have been taken to avoid these in the future, briefly describe the measures, including when they occurred.

Permit Term (for Which There is a Deviation): No deviations to report Emission Units (unit IDs) Deviation Start: ____/____/_____ ____ :____ End: ____/____/_____ ____:____ Probable Cause of Deviation: Corrective Actions or Preventative Measures Taken:
Permit Term (for Which There is a Deviation): Emission Units (unit IDs) Deviation Start: ____/____/_____ ____:____ End: ____/____/_____ ____:____ Probable Cause of Deviation: Corrective Actions or Preventative Measures Taken:
Permit Term (for Which There is a Deviation): Emission Units (unit IDs) Deviation Start: ____/____/_____ ____:____ End: ____/____/_____ ____:____ Probable Cause of Deviation: Corrective Actions or Preventative Measures Taken:

Attachment 2. Summary of Limestone Handling System Visible Emissions Observations

Period beginning: 01 / 01 / 12
Period ending: 06 / 30 / 12

Date	Units Observed	Observer Initials	Visible Emissions?	Comments
01/03/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
01/09/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
01/16/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
01/23/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
01/30/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
02/08/12	DC9, DC10, DC11	JRA	☐ Yes ☒ No	
02/13/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
02/20/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
02/27/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
03/05/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
03/13/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
03/19/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
03/26/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
04/02/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
04/09/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
04/16/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
04/23/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
04/30/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
05/07/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
05/14/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
05/21/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
05/29/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
06/04/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
06/11/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
06/28/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	
06/25/12	DC9, DC10, DC11	WHB	☐ Yes ☒ No	

Attachment 3. Certification of Truth, Accuracy, and Completeness

CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

A. Responsible Official

Name: (Last) Talbot (First) Robert (MI) K

Title Plant Manager

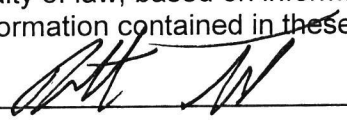
Street or P.O. Box P.O. Box 850

City Page State AZ ZIP 86040 -

Telephone (928) 645 - 6217 Ext. Facsimile (928) 645 - 7298

B. Certification of Truth, Accuracy and Completeness (to be signed by the responsible official)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name (signed) 

Name (typed) Robert K. Talbot Date: 7 / 30 / 2012